

**FAG****NJ2340-EX-TB-M1** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ..-M1, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

Technical information



Your current product variant

Design	TB	Bearings with increased axial load capacity
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	420 mm	Outside diameter
B	138 mm	Width
C_r	2.040.000 N	Basic dynamic load rating, radial
C_{0r}	2.900.000 N	Basic static load rating, radial
C_{ur}	315.000 N	Fatigue load limit, radial
n_G	2.330 1/min	Limiting speed
n_{gr}	940 1/min	Reference speed
$\approx m$	98,3 kg	Weight



Mounting dimensions

$d_{a \min}$	220 mm	Minimum diameter shaft shoulder
$d_{a \max}$	250,7 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	400 mm	Maximum diameter of housing shoulder
$d_{c \min}$	279 mm	Minimum shaft shoulder
$r_{a \max}$	4 mm	Maximum recess radius

Dimensions

r_{\min}	5 mm	Minimum chamfer dimension
$r_{1 \min}$	5 mm	Minimum chamfer dimension
s	11,3 mm	Axial displacement
E	400 mm	Raceway diameter outer ring
F	253 mm	Raceway diameter inner ring
$D_{1 \min}$	352,2 mm	Minimum rib diameter outer ring
d_1	277,8 mm	Maximum rib diameter inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.

Additional information

HJ2340-E

L-washer



Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Large bearing